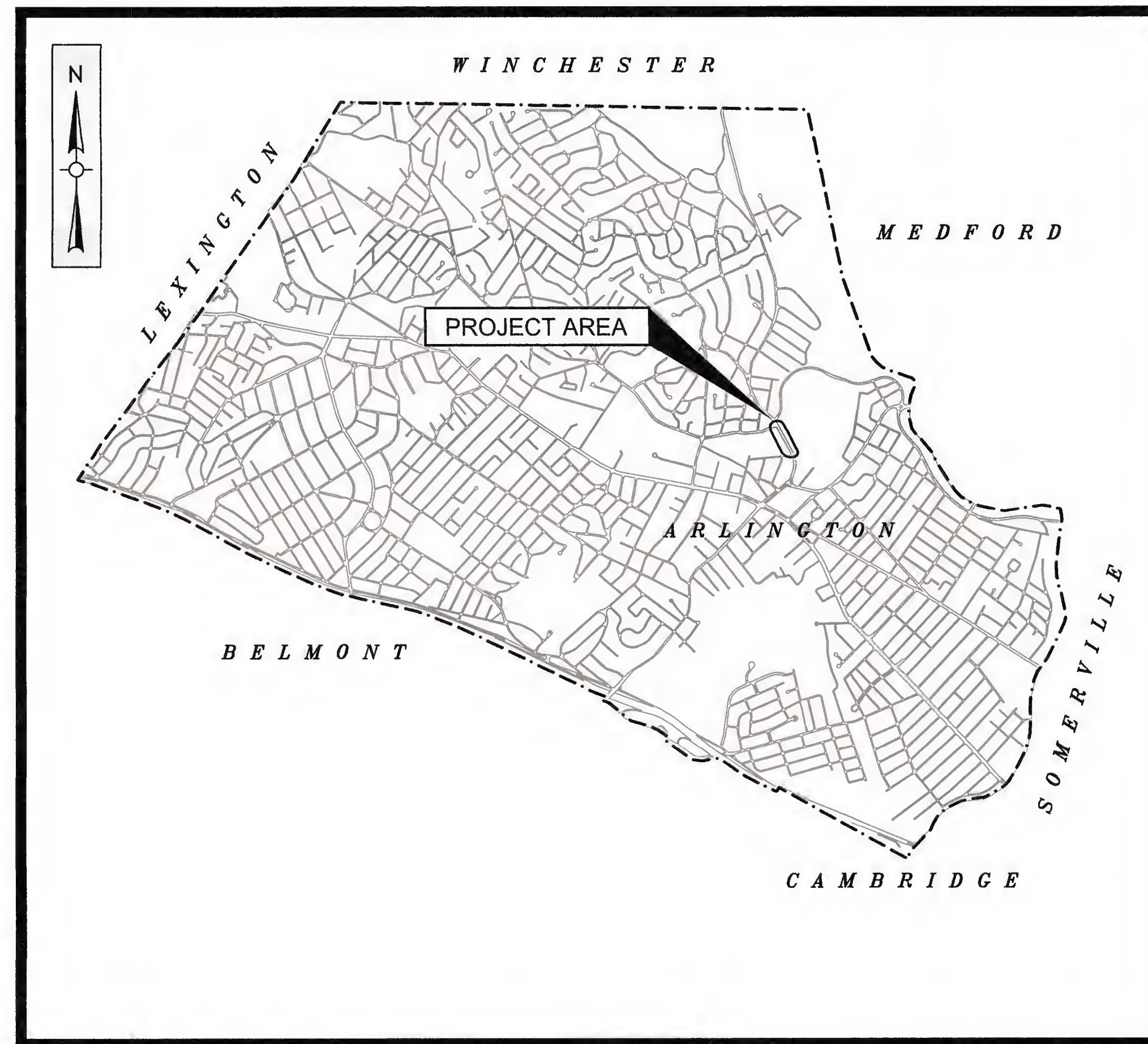


TOWN OF ARLINGTON, MASSACHUSETTS
DEPARTMENT OF PUBLIC WORKS
51 GROVE STREET, ARLINGTON, MA. 02476



LOCUS MAP
SCALE: 1"=2000'

**SEWER SIPHON
REPLACEMENT PROJECT**

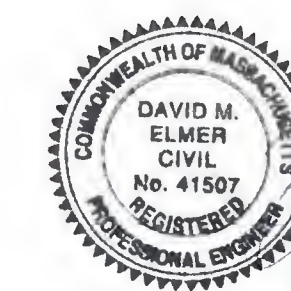
BID INVITATION NO. 18-41

MICHAEL W. RADEMACHER, P.E.
DIRECTOR OF PUBLIC WORKS

SEPTEMBER 2018

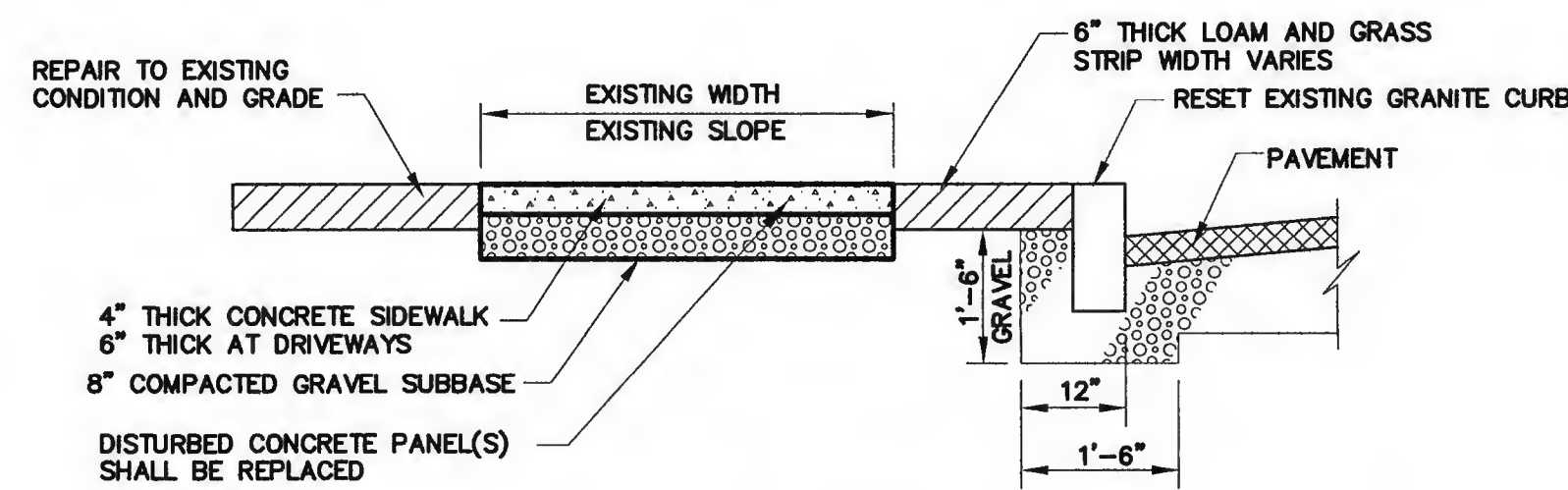
DRAWING INDEX

<u>SHEET</u>	<u>TITLE</u>
G-1	ABBREVIATIONS, LEGENDS, AND NOTES
D-1	DETAILS I
D-2	DETAILS II
C-1	MYSTIC STREET SIPHON PLAN AND PROFILE
C-2	MYSTIC STREET SIPHON SECTION VIEWS
C-3	MYSTIC STREET SIPHON SERVICE CONNECTION
T-1	TRAFFIC MANAGEMENT SIGN SUMMARY, LEGEND, AND NOTES
T-2	MYSTIC STREET TRAFFIC MANAGEMENT PLAN I
T-3	MYSTIC STREET TRAFFIC MANAGEMENT PLAN II

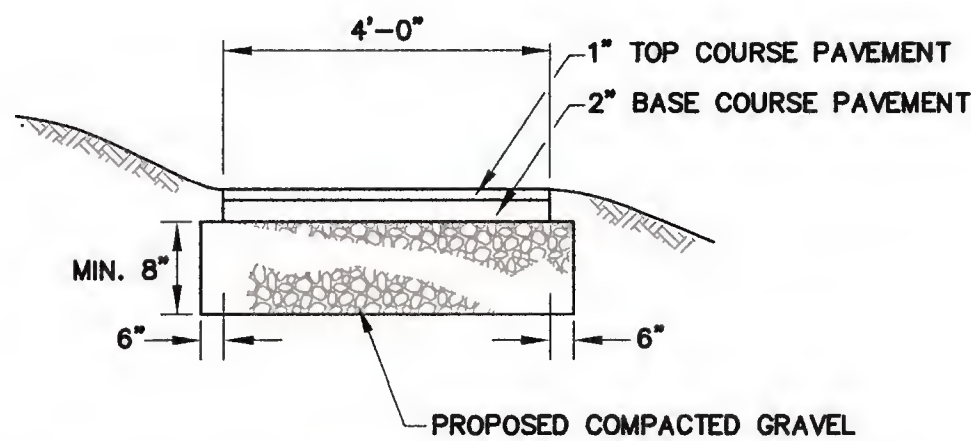


Weston & SampsonSM

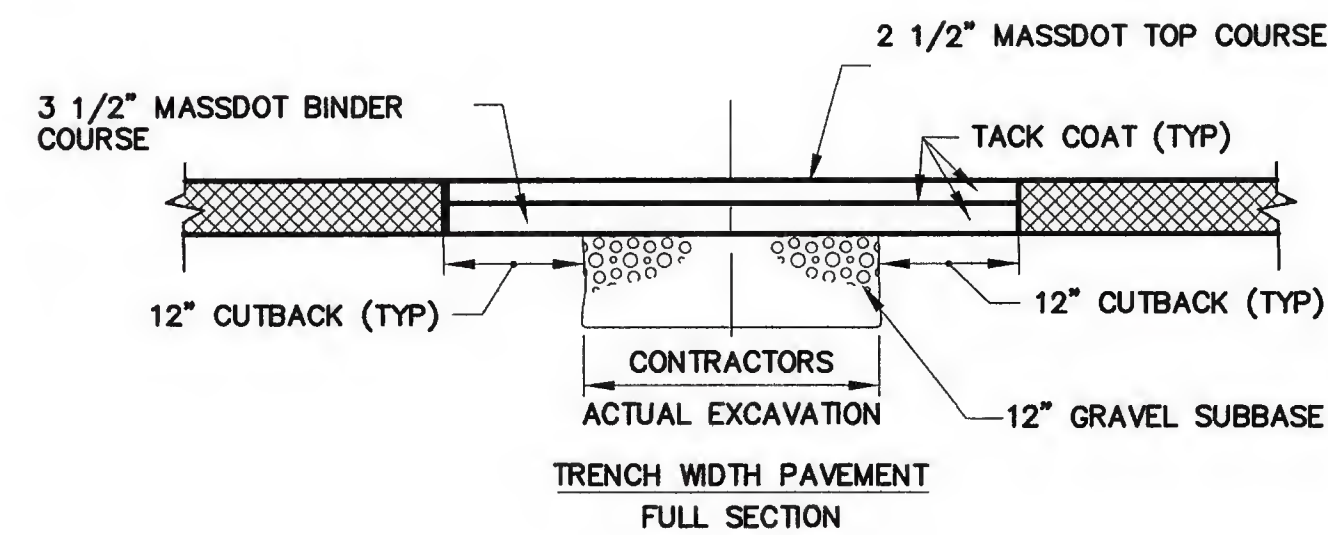
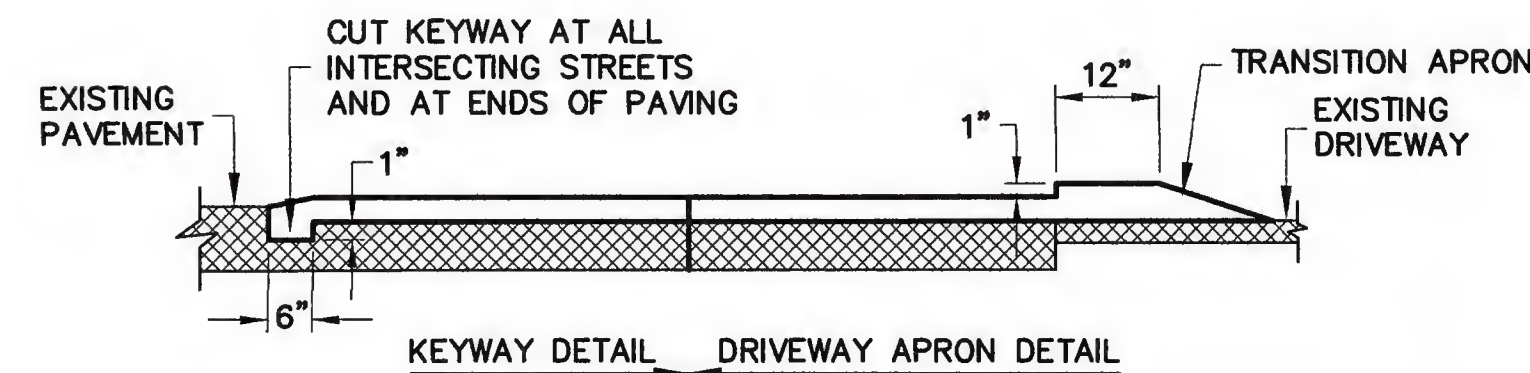
Weston & Sampson Engineers, Inc.
Five Centennial Drive, Peabody, MA 01960



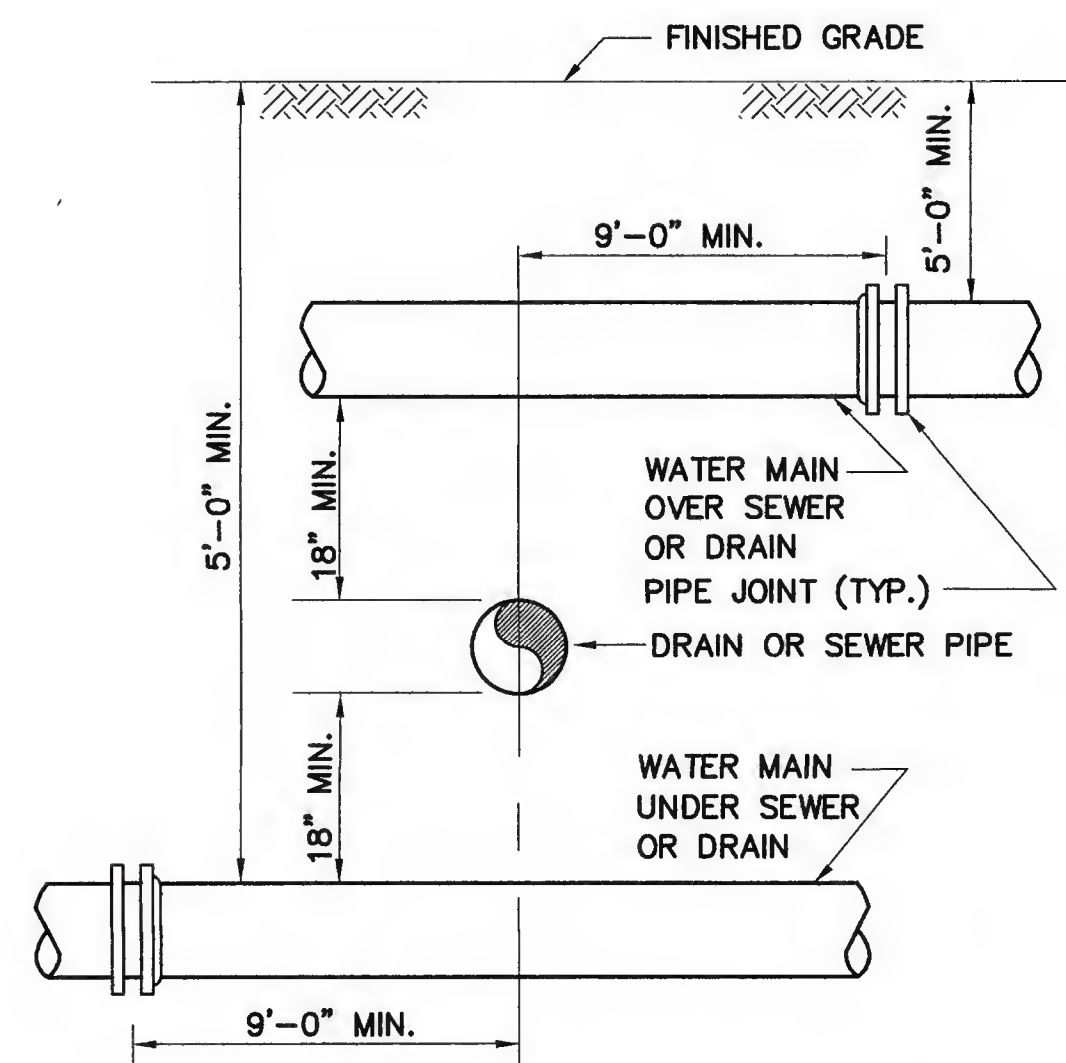
TYPICAL SECTION THROUGH
CONCRETE SIDEWALK
N.T.S.



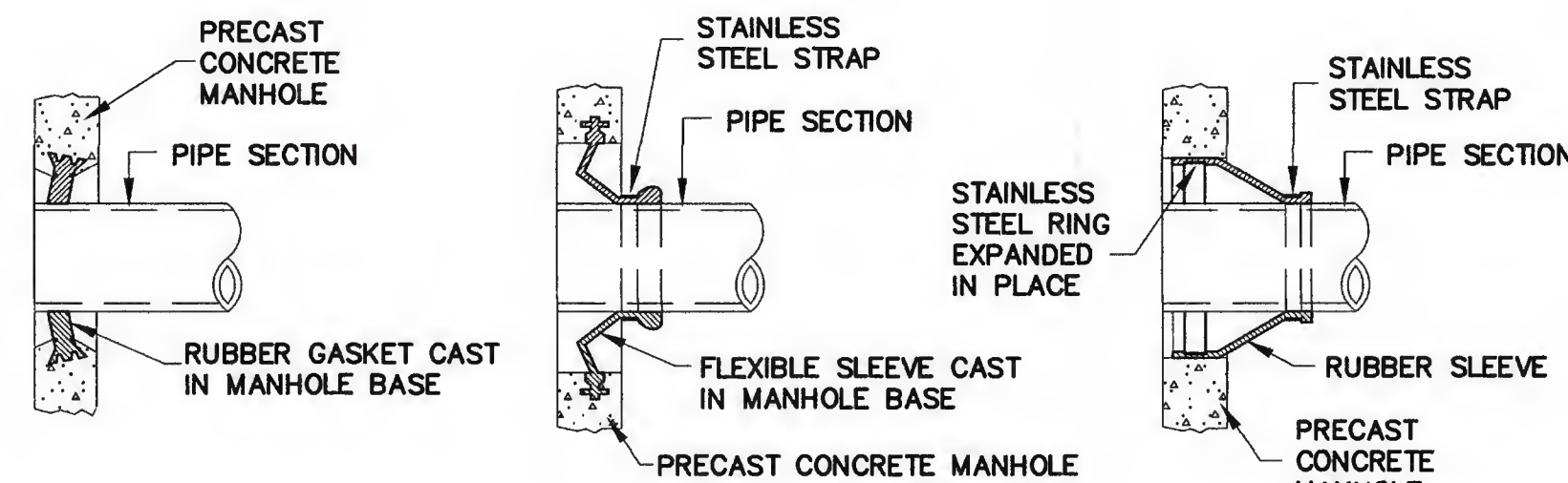
BITUMINOUS PAVEMENT WALKWAY DETAIL
N.T.S.



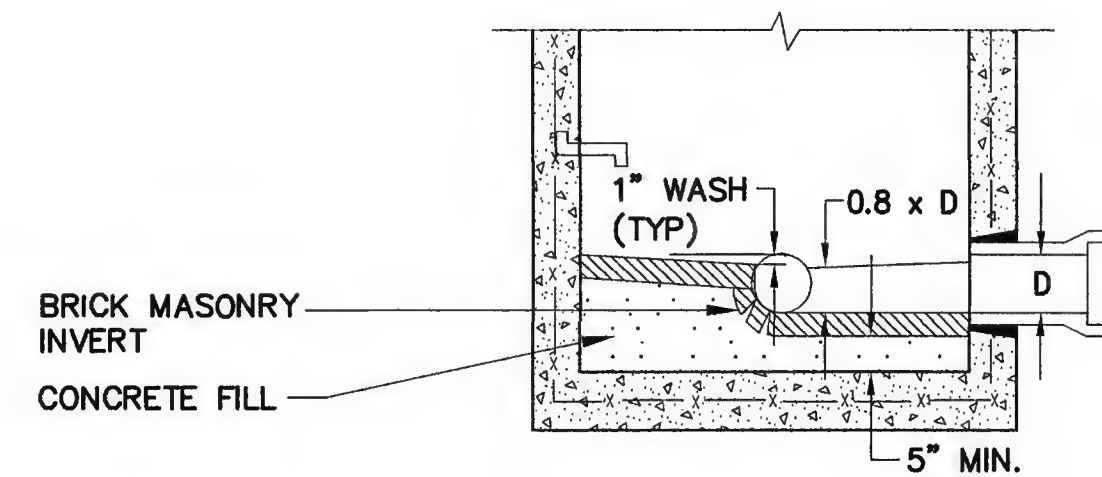
PAVEMENT REPLACEMENT DETAILS
N.T.S.



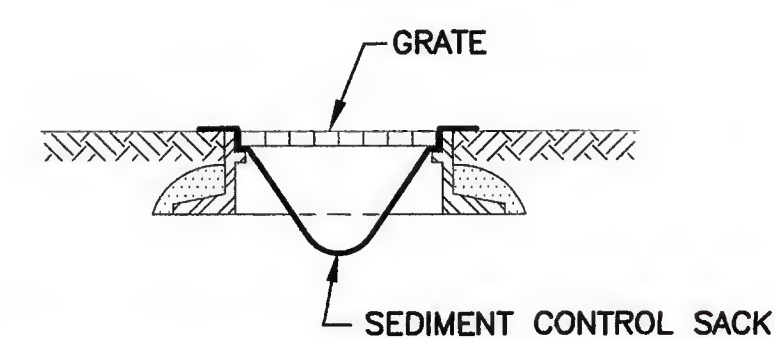
SEWER OR DRAIN CROSSING DETAIL
N.T.S.



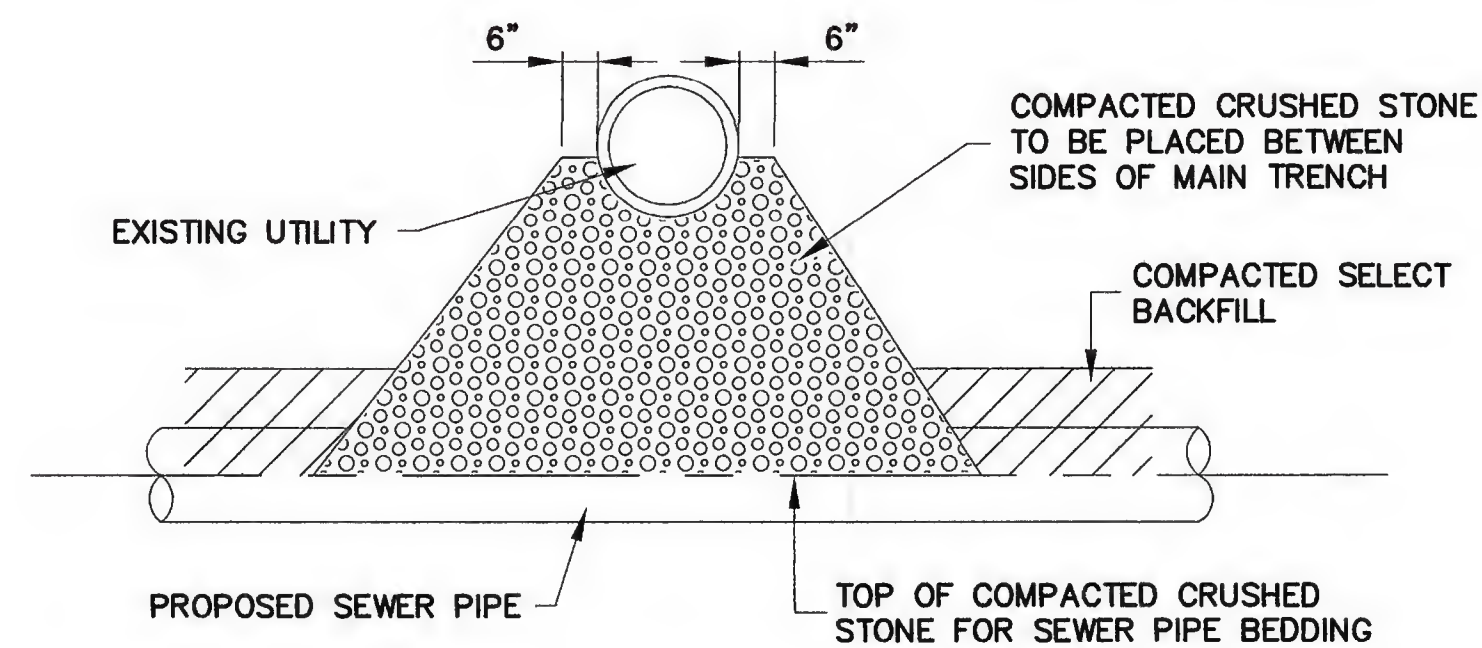
MANHOLE SEAL DETAILS
N.T.S.



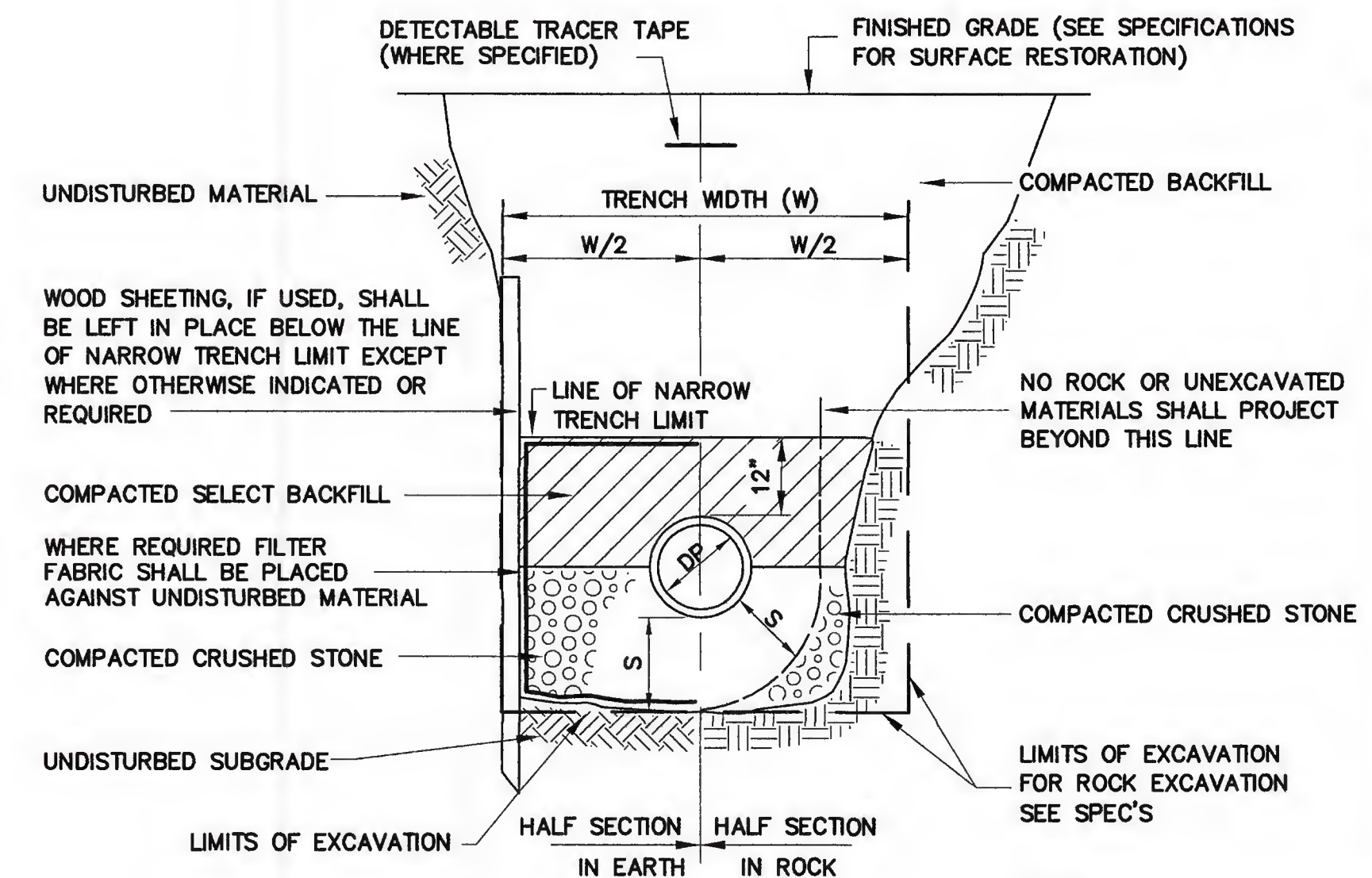
BUILD MANHOLE
BENCH AND INVERT DETAIL
N.T.S.



CATCH BASIN PROTECTION DETAIL
N.T.S.



UTILITY CROSSING DETAIL
N.T.S.

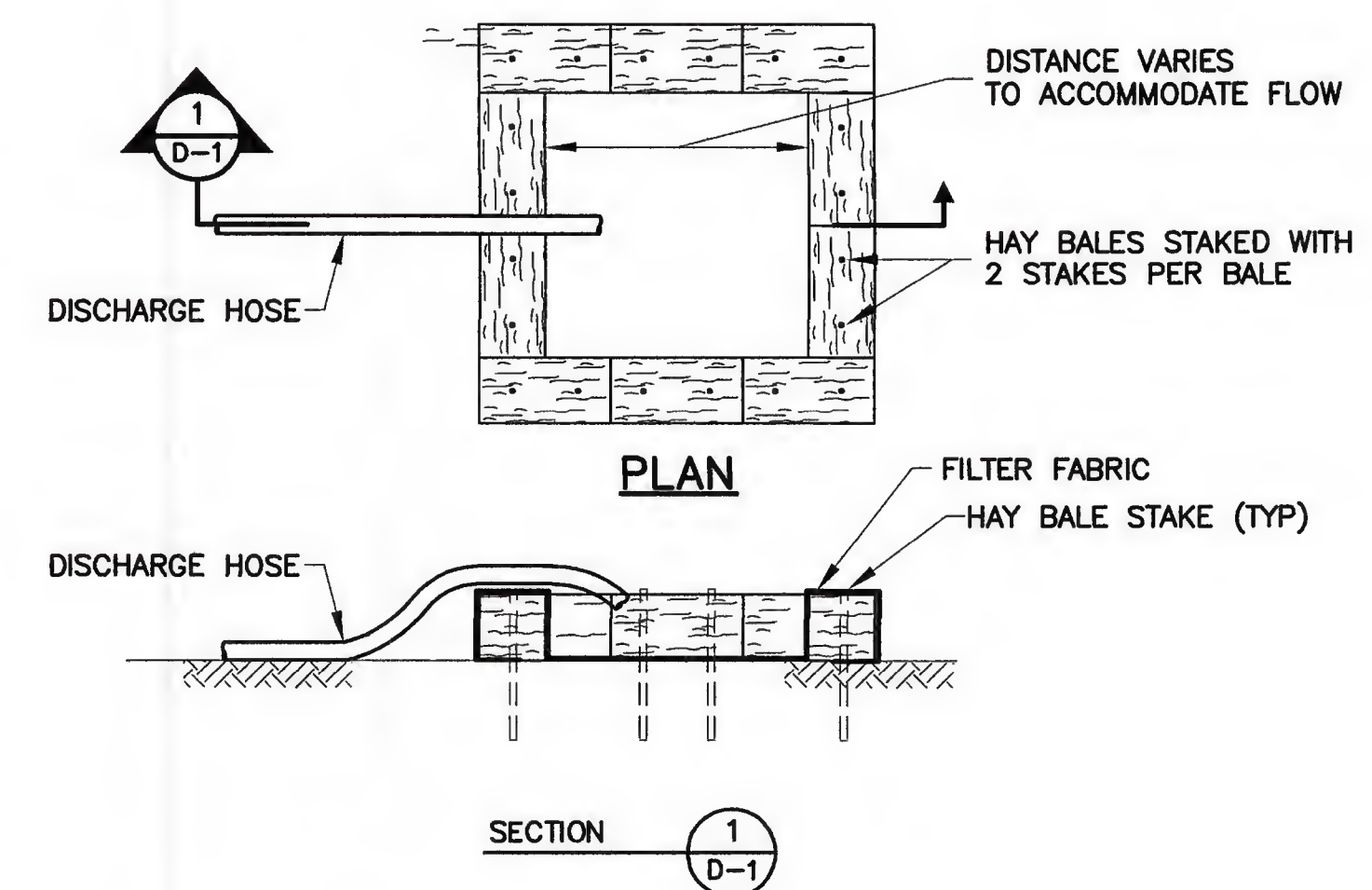


SEWER TRENCH DETAIL
N.T.S.

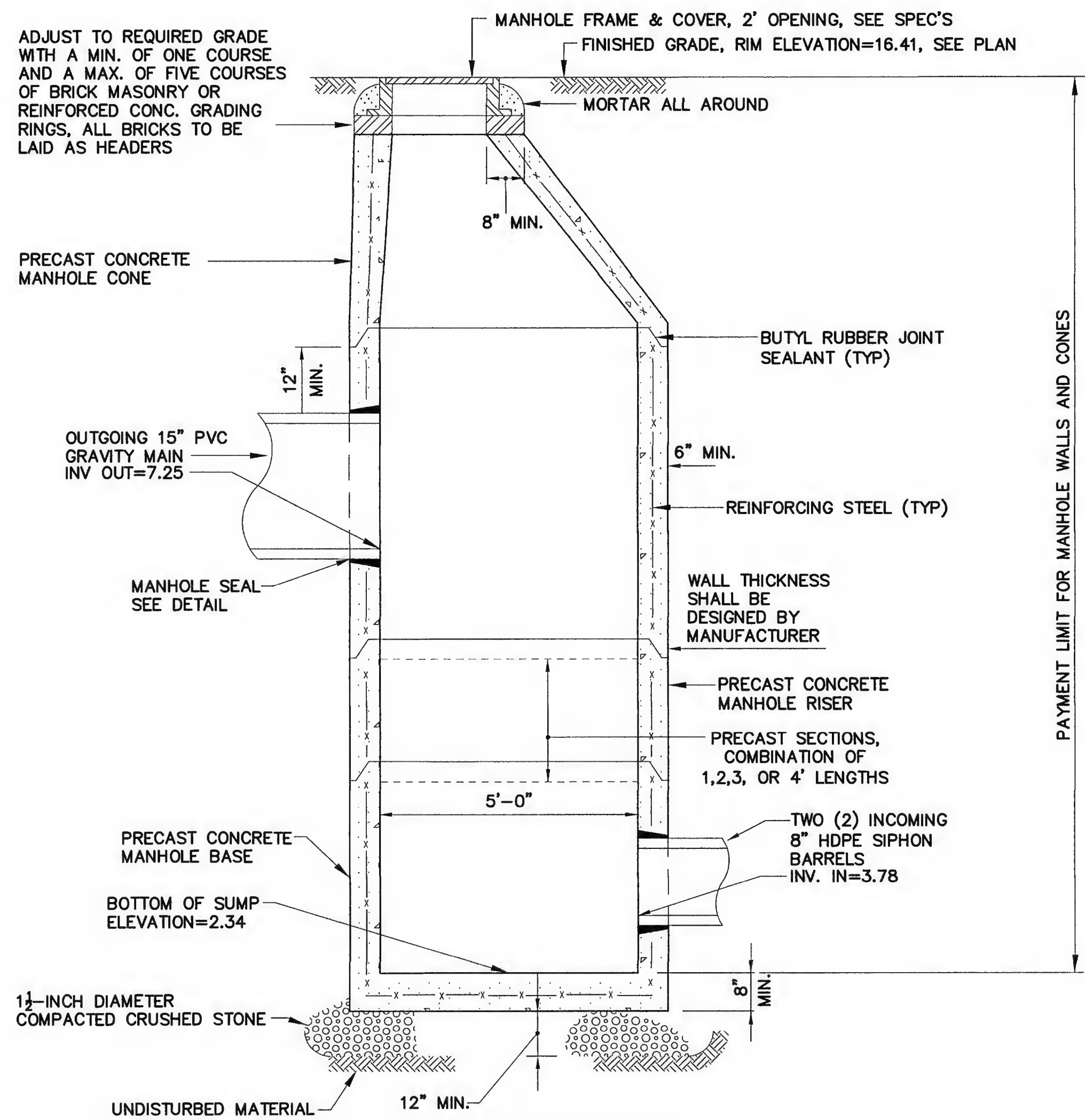
NOTE:
FOR W, DP, & S, SEE TABLE A

DEPTH TO INVERT	DIAMETER OF PIPE (DP)	MAXIMUM TRENCH WIDTH BELOW LINE OF NARROW TRENCH LIMIT (SHEETED OR UNSHEETED) (W)	MINIMUM CLEARANCE (S)
0-12'	TO 18"	5'	6"
0-12'	21"-24"	5'	7'-1/2"
OVER 12'	TO 18"	7'	6"
OVER 12'	21"-24"	7'	7'-1/2"

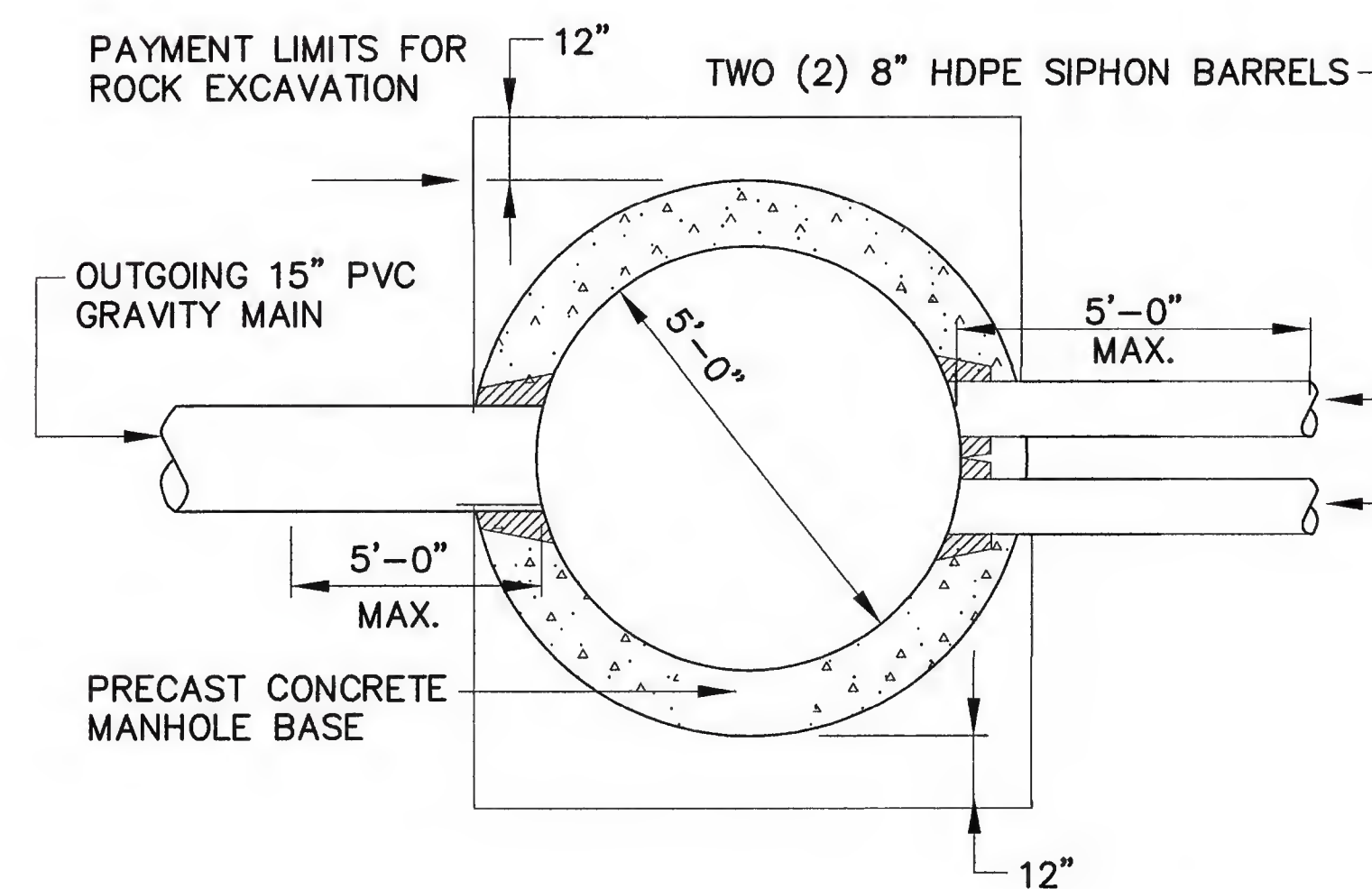
TABLE A



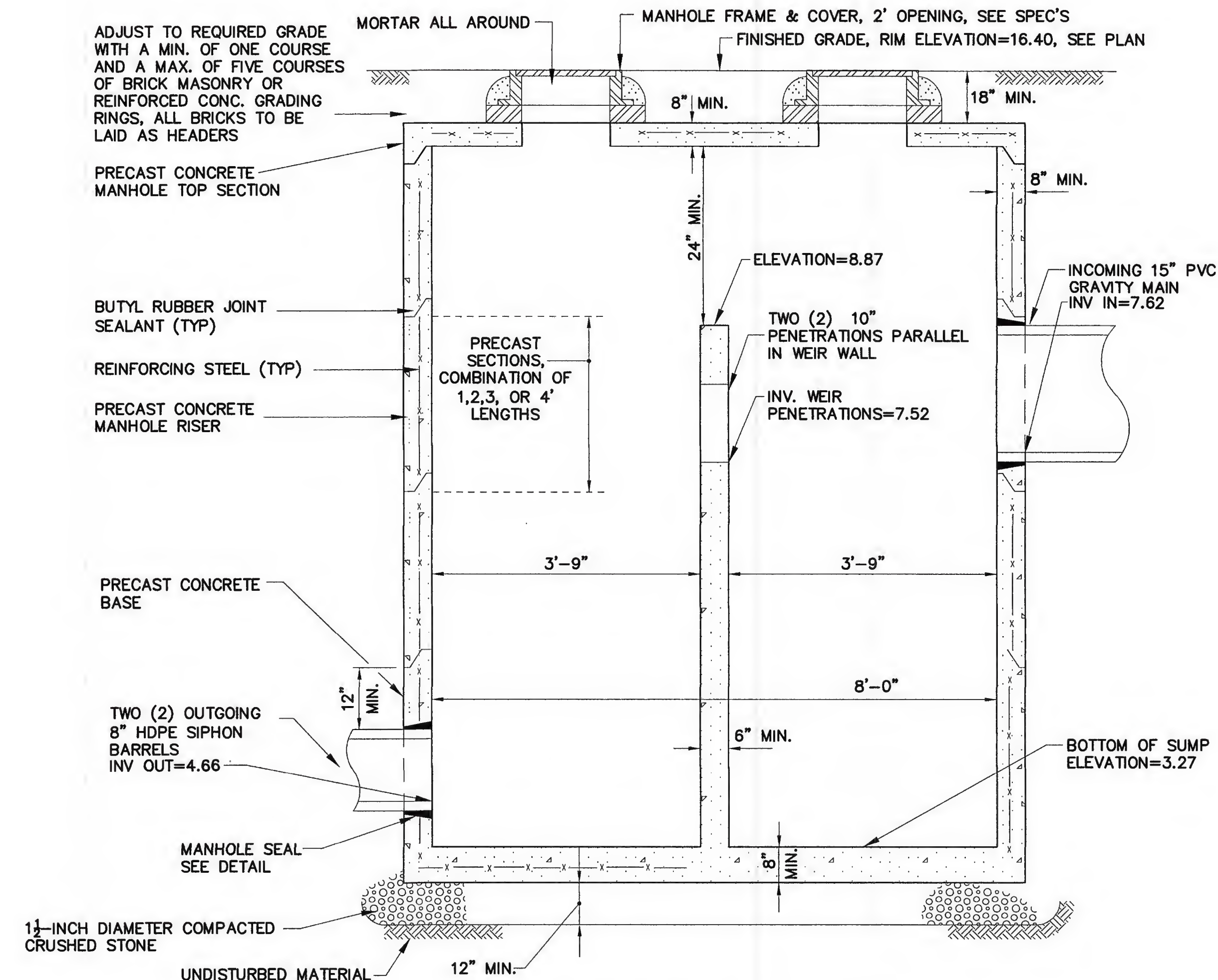
DEWATERING DISCHARGE DISPOSAL DETAIL
N.T.S.



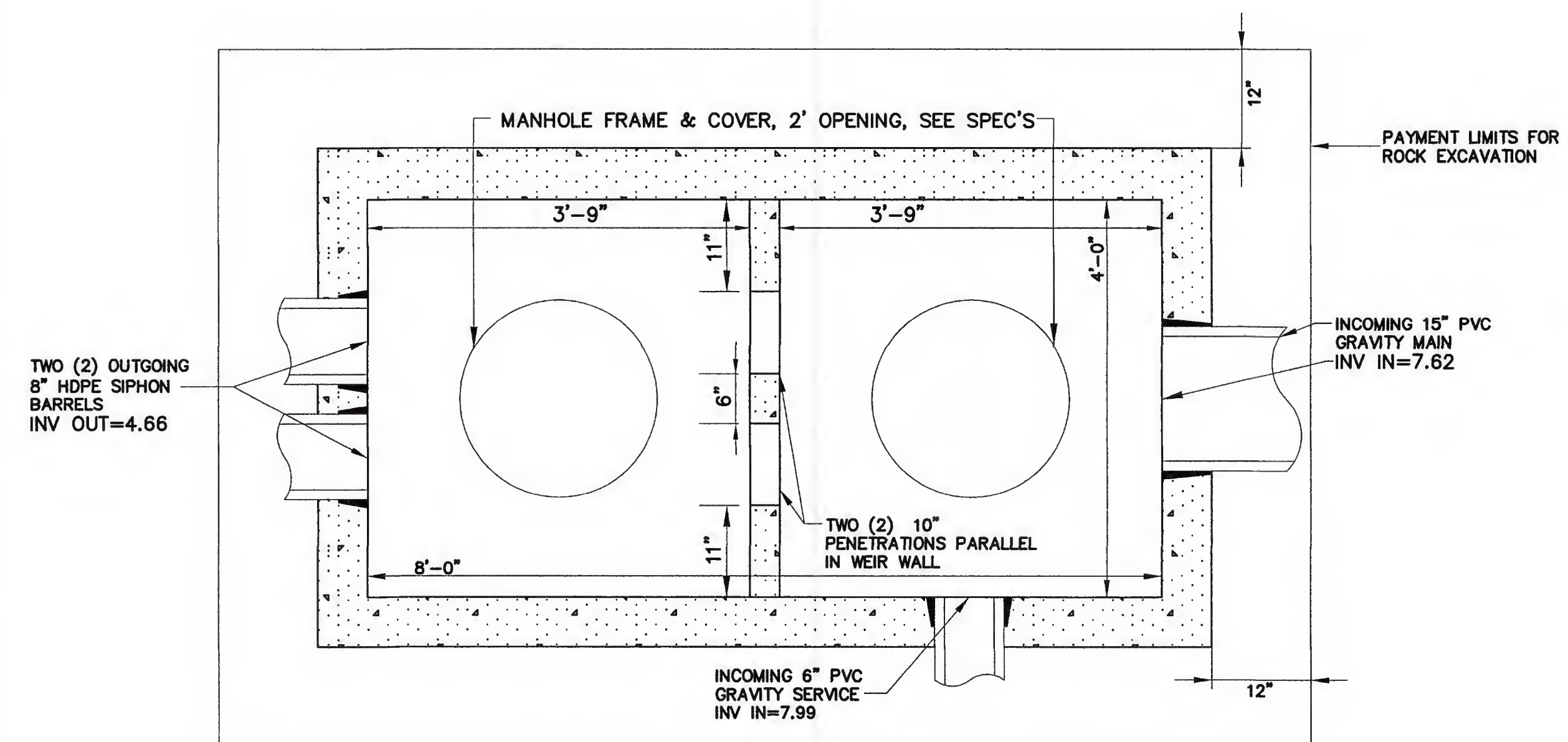
5'-0" DIA. PROPOSED PRECAST
CONCRETE MANHOLE DETAIL
N.T.S. STA 2+26



5'-0" DIA. PROPOSED MANHOLE PLAN
N.T.S. STA 2+26



4'X8' PROPOSED PRECAST CONCRETE SIPHON CHAMBER DETAIL
N.T.S. STA 3+00



4'X8' PROPOSED SIPHON CHAMBER PLAN
N.T.S. STA 3+00

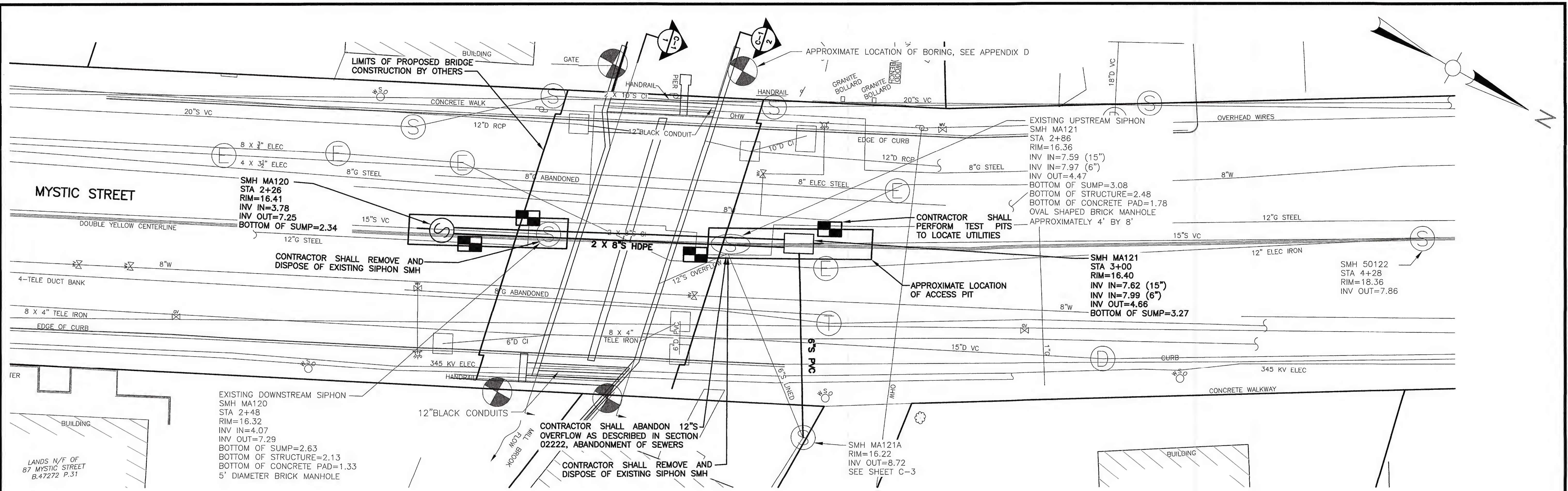
No.	Date	Dr. By	Ch. By	App. By	Description	V	E	D	DATE
1									
2									
3									
4									
5									
6									
7									
8									
9									
10									



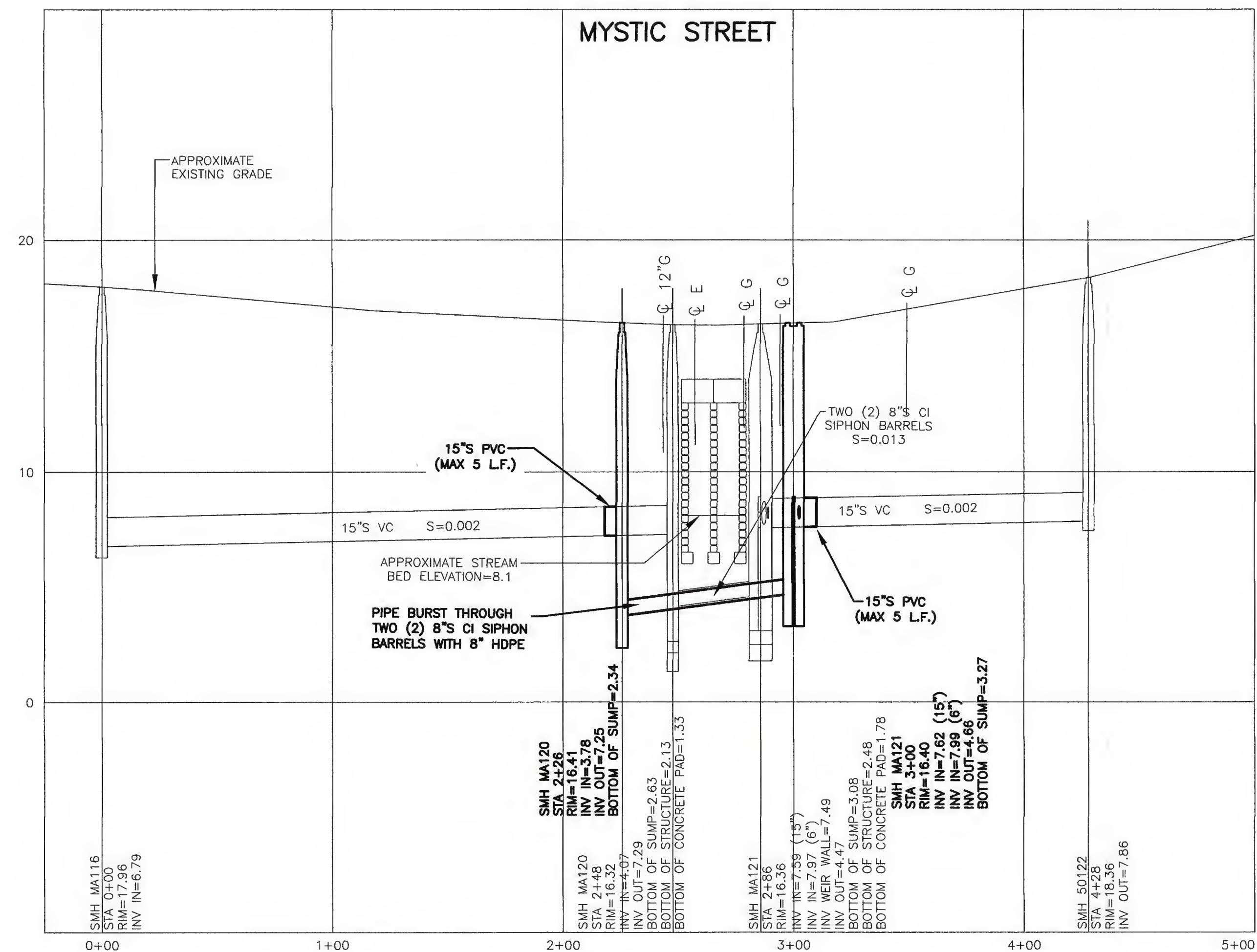
TOWN OF ARLINGTON, MASSACHUSETTS DEPARTMENT OF PUBLIC WORKS SEWER SIPHON REPLACEMENT PROJECT	DETAILS II	APP BY	CHK BY	DSN BY	DR BY	JOB NO.	CONTRACT	SCALE	CADD NO.	FILE NO.
		DME	JRH	JMC	JMC	2180077	18-41	NOTED		235-7

235-7	235-7
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P:\MA\Arlington, MA\2180077 - Phase 1\19 Design\CAD\DWG-80\Arlington Street Siphon Design\General\Mystic St Siphon.dwg



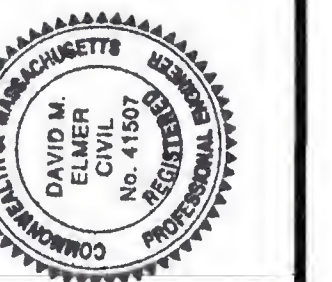
PROPOSED PLAN
SCALE: 1" = 10'



PROPOSED PROFILE
SCALE: 1"=40' HORIZ
1"=4' VERT

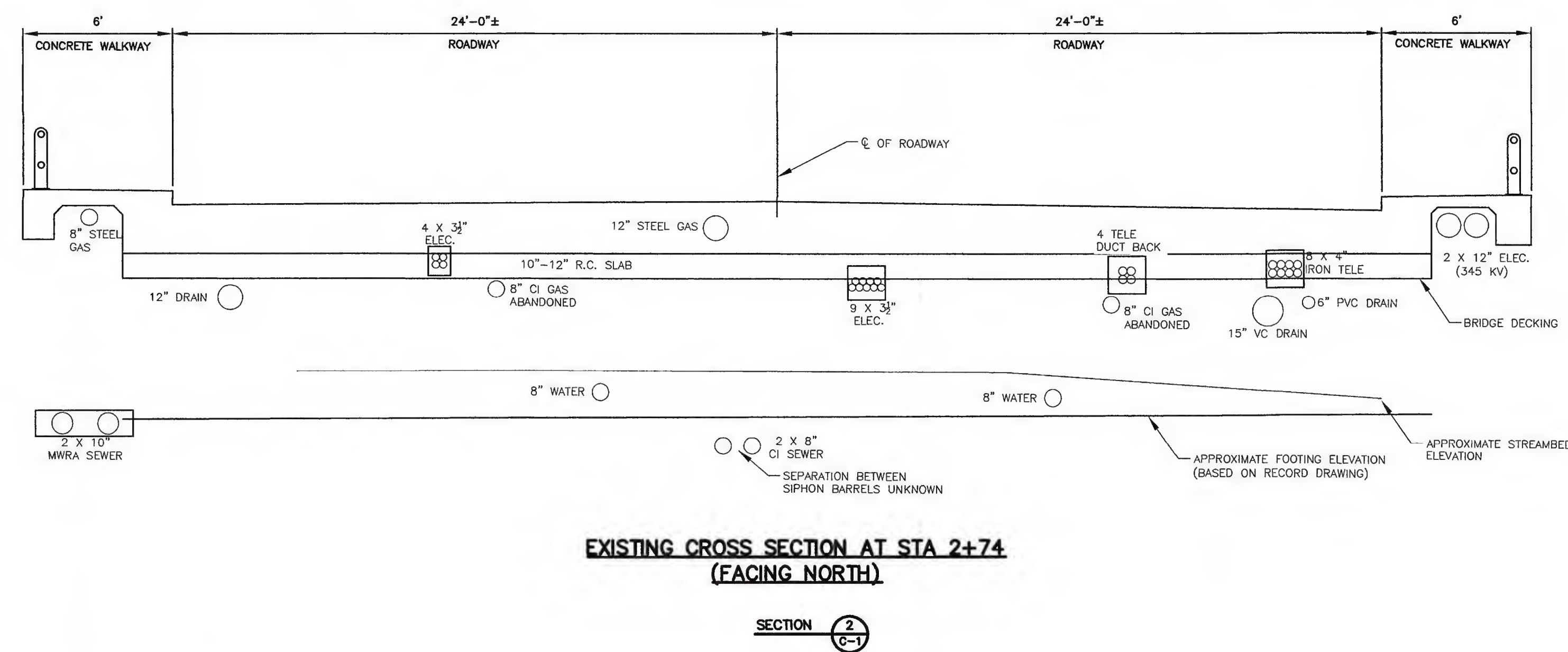
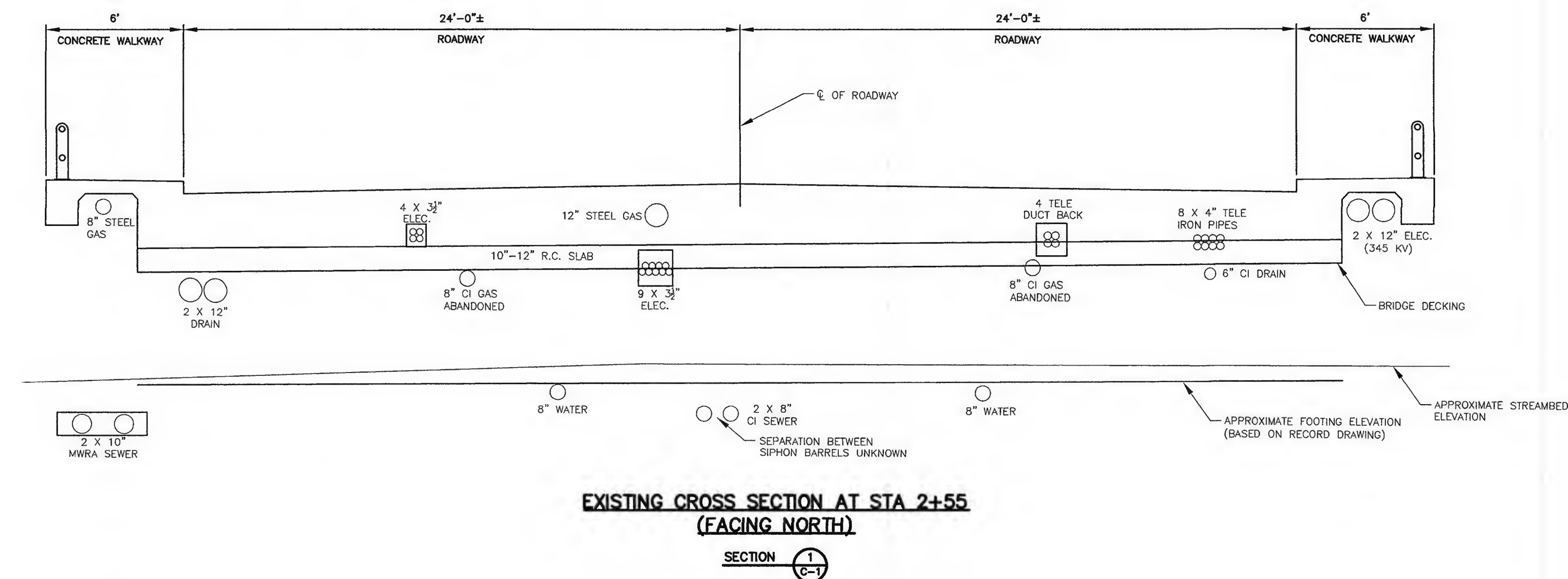
- NOTE:
1. TEMPORARY BYPASS PUMPING SYSTEM SHALL NOT INTERFERE WITH ACCESS ROADS, WALKING PATHS, OR SIDEWALKS.
 2. TEMPORARY BYPASS PUMPING SYSTEM SHALL HAVE ONE STAND BY PUMP FOR EACH PUMP UTILIZED, READY TO USE IN THE EVENT OF A PRIMARY PUMP FAILURE. CONTRACTOR SHALL BYPASS FLOW FROM THE 15-INCH GRAVITY MAINLINE AND 6-INCH GRAVITY SERVICE. SEE SPECIFICATION SECTION 01535, TEMPORARY BYPASS PUMPING SYSTEM FOR SEWER FLOW CHARACTERISTICS.
 3. CONTRACTOR SHALL BURY TEMPORARY BYPASS PIPING AT ALL SIDEWALK, ROAD, WALKWAY, AND DRIVEWAY CROSSINGS.
 4. THE OWNER HAS APPLIED FOR AN MWRA 8M PERMIT RELATED TO THE SEWER BYPASS WORK ON MYSTIC STREET.
 5. TELEVISION INSPECTION SHALL BE PERFORMED IN "DRY PIPE" DURING TEMPORARY BYPASS OPERATION.
 6. CONTRACTOR SHALL PROTECT ALL UTILITIES.
 7. ACCESS PIT LOCATIONS IN PLAN ARE APPROXIMATE. CONTRACTOR MAY LOCATE ACCESS PITS AT THEIR DISCRETION FOR PIPE BURSTING OPERATIONS.
 8. CONTRACTOR SHALL MAINTAIN A MINIMUM OF ONE LANE OF TRAVEL IN EACH DIRECTION DURING CONSTRUCTION ACTIVITIES.
 9. TEST PITS SHALL BE PERFORMED TO LOCATE EXISTING UTILITIES, AS APPROVED BY THE ENGINEER.
 10. PHOTOS OF EXISTING SIPHON MANHOLES ARE INCLUDED IN APPENDIX B.
 11. BORING INFORMATION IS INCLUDED IN APPENDIX C.

No.	Date	Dr. By	Chk. By	App. By	Description
1	9/5/18				D
2					V
3					E
4					O
5					R
6					P
7					A
8					P
9					Ck. By
10					App. By
11					REGISTERED PROFESSIONAL ENGINEER

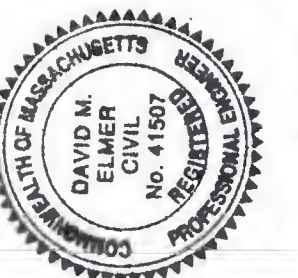


TOWN OF ARLINGTON, MASSACHUSETTS
DEPARTMENT OF PUBLIC WORKS
SEWER SIPHON REPLACEMENT PROJECT
MYSTIC STREET SIPHON PLAN AND PROFILE

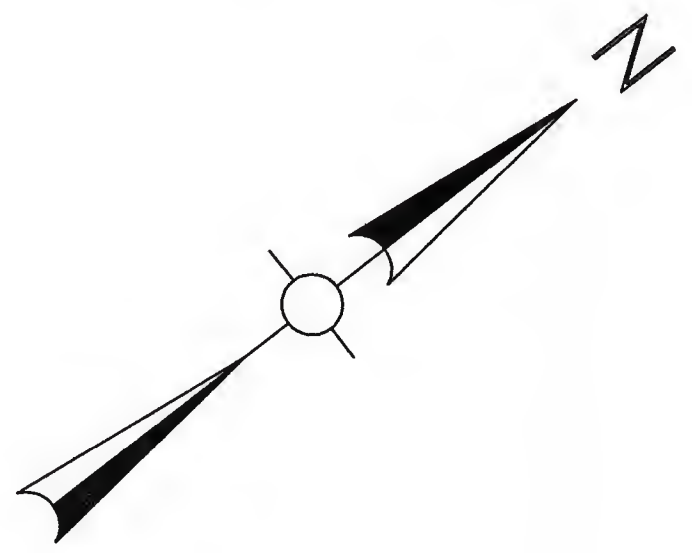
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235-6	2180077	18-41	JMC	JMC	JMC	JMC	JMC	JMC	DME



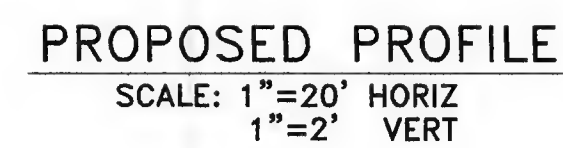
EXISTING CROSS SECTION VIEWS
SCALE: 1/4" = 1'

[illegible]

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		TOWN OF ARLINGTON, MASSACHUSETTS DEPARTMENT OF PUBLIC WORKS SEWER SIPHON REPLACEMENT PROJECT							
FILE NO.	CADD NO.	SCALE	NOTED	CONTRACT	JOB NO.	DR BY	DES BY	CHK BY	APP BY
	235.5	-		18-41	2180077	JMC	JMC	JRH	DME



- P:\MA\Arlington, MA\2180077 - Phase #10 Design\CADD\Re-Bid\Mystic Street Siphon Design\General\Mystic St Siphon.dwg



F:\MA\Arlington, MA\2180077 - Phase 110 Design\CAD\Re-Bld\Mythic Street Siphon Design\General\Mythic St Siphon - TMP Sheet.dwg

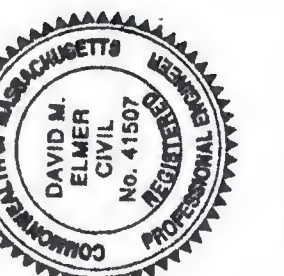


TRAFFIC MANAGEMENT
PLAN
SCALE: 1" = 40'

TRAFFIC SAFETY
ATTENUATOR (TYP.)
NOT TO SCALE

No.	Date	Dr. By	Chk. By	App. By	Description
1		A	P	R	O
2					V
3					E
4					D

REGISTERED PROFESSIONAL ENGINEER
DATE 9/6/19



TOWN OF ARLINGTON, MASSACHUSETTS DEPARTMENT OF PUBLIC WORKS SEWER SIPHON REPLACEMENT PROJECT	FILE NO. 235-2	CADD NO. 235-2	SCALE TMP	NOTED	CONTRACT 18-41	JOB NO. 2180077	DR. BY JMC	CHK. BY JMC	APP. BY JRH	DME
MYSTIC STREET TRAFFIC MANAGEMENT PLAN I										

